

## Jackson County Area, Colorado

### St—Stumpp clay loam

#### Map Unit Setting

*Elevation:* 7,820 to 8,500 feet

*Mean annual precipitation:* 10 to 14 inches

*Mean annual air temperature:* 36 to 38 degrees F

*Frost-free period:* 35 to 45 days

#### Map Unit Composition

*Stumpp and similar soils:* 90 percent

#### Description of Stumpp

##### Setting

*Landform:* Drainageways, stream terraces, flood plains

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Fine-textured, calcareous alluvium

##### Typical profile

*H1 - 0 to 3 inches:* clay loam

*H2 - 3 to 32 inches:* clay

*H3 - 32 to 60 inches:* very gravelly loamy sand

##### Properties and qualities

*Slope:* 1 to 3 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Somewhat poorly drained

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately low to moderately high (0.06 to 0.20 in/hr)

*Depth to water table:* About 24 to 36 inches

*Frequency of flooding:* Occasional

*Frequency of ponding:* None

*Calcium carbonate, maximum in profile:* 10 percent

*Salinity, maximum in profile:* Slightly saline to moderately saline (8.0 to 16.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 30.0

*Available water storage in profile:* Low (about 4.0 inches)

##### Interpretive groups

*Farmland classification:* Not prime farmland

*Land capability classification (irrigated):* 6w

*Land capability classification (nonirrigated):* 7w

*Hydrologic Soil Group:* D

*Ecological site:* Mountain Meadow (R048AY241CO)

## **Data Source Information**

Soil Survey Area: Jackson County Area, Colorado  
Survey Area Data: Version 6, Dec 23, 2013